Lalitha Madhuri Divakaruni

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PROFESSIONAL SUMMARY: Full Stack Developer with experience in building secure, scalable web and mobile apps. Skilled in Java, React, Firebase, and API design. Passionate about user-focused, impactful tech solutions.

TECHNICAL SKILLS

• **Frontend:** React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Tailwind CSS, Material UI, Responsive & Accessible UI Design
• **Backend:** Node.js, Express.js, REST APIs, MongoDB, Firebase Realtime Database & Cloud Functions
• **Languages:** JavaScript, Java, TypeScript
• **Tools & DevOps:** Git, GitHub, Docker,, VS Code, Postman, Jira, Google Cloud Platform
• **Other:** Agile development, API security best practices, Real-time data handling, UI/UX collaboration, Scalable distributed systems

EDUCATION

Postgraduate Diploma – Mobile Solutions Development
Conestoga College, Waterloo, ON — 2024
Bachelor of Information Technology
Jawaharlal Nehru Technological University, Hyderabad, India — 2023

EXPERIENCE

Frontend Development Intern
Vosyn Inc. – Toronto, ON (Remote) | May 2025 – Present
- Designed and developed a scalable, modular content management frontend platform using React and Tailwind CSS, reducing page load times by 30% and improving user engagement metrics.
- Refactored legacy UI into reusable React components, reducing DOM reflows by 25%, enhancing maintainability and performance.
- Integrated RESTful APIs and third-party SDKs to optimize real-time data pipelines, accelerating developer workflows by 40%.
- Developed and maintained backend mock services simulating FastAPI endpoints to support offline-first, local development workflows.
- Automated deployment workflows using Docker and GitHub Actions CI/CD pipelines on cloud-native infrastructure, contributing to reliable and scalable releases.
- Gained hands-on experience with AWS Lambda and serverless backend integration, supporting scalable microservices architecture.
- Collaborated cross-functionally in Agile sprints, actively participating in sprint planning, code reviews, and product design discussions to deliver high-impact features.

PROJECTS

GitHub: github.com/LalithaaD
CropCrew – Android Farm Management App
Tech Stack: Java, Firebase, XML, REST APIs, Microsoft Planner, GitHub
- Agricultural workers lacked an efficient way to manage daily farm tasks and resources.
- Designed and built a mobile-first platform to streamline farm operations and enable real-time coordination between field workers and managers.
- Built an Android app with secure login, GPS-based location tracking, and real-time weather updates. Used Firebase Realtime DB for sync and offline access. Integrated modular UI components following Material Design.
- Successfully deployed a functioning prototype with real-time task tracking.
Medicine Reminder App
Tech Stack: Java, XML, Android Studio
- Patients often missed medication doses due to forgetfulness.
- Developed a lightweight, intuitive app to remind users about their daily medication schedule.

- Created an Android app with simple UI, alarm-based reminders, and ability to view/edit scheduled alerts.
- Demonstrated during classroom testing with 95% reminder accuracy and user satisfaction for simplicity.

Search Engine with Machine Learning
Tech Stack: Python, MySQL, JavaScript, HTML/CSS
- Existing college-level search tools returned irrelevant or low-priority results.
- Built a basic search engine that uses ML to rank results by relevance.
- Developed a Python-based backend for query processing and result scoring using an ML model. Built a responsive UI for search interaction.
- Achieved 30% increase in result relevance compared to standard keyword-based search.

Android Tour Recommendation System
Tech Stack: Java, MySQL, REST API, XML
- Users found it difficult to plan travel based on preferences and location.
- Created an app that suggests personalized destinations.
- Used user preferences and location data to fetch destinations using REST API. Implemented interactive UI with maps and suggestions.
- Improved demo user engagement by 40% and received positive feedback for user-friendliness.

Decor Master – Flutter-based Home Decor App
Tech Stack: Flutter, Dart, Image Processing (planned), AR (planned)
- Users wanted ideas for room renovation based on current room aesthetics.
- Designed a mobile app that suggests decor ideas based on room images.
- Built a basic Flutter app with navigation, input handling, and UI components. Planned integration of AR and image analysis for future releases.
- MVP demonstrated and received positive responses during academic review.

CERTIFICATIONS

- AWS Cloud Virtual Internship (2021)
- AICTE AI-ML Virtual Internship (2022)
- CCNA: Introduction to Networks (2021)
- CCNA: Essentials of C language (2020)
- Google UX Design Foundations (In Progress)
- Building LLM applications with prompt engineering (In Progress)

ADDITIONAL INFORMATION

- **Work Authorization:** Eligible to work in Canada
- **Willing to Relocate / Work Hybrid:** Open to relocation and hybrid work arrangements, including onsite presence as needed
- **Languages:** English (Fluent), Telugu (Native), Hindi (Conversational)